

Figure 1 (SEQ ID No. 1): Amino acid sequence of the *P. chrysogenum* PPTA protein encoded by the nucleic acid molecule according to the invention (depicted proceeding from the N terminus to the C terminus)

1	MVDPSVSGIT	KMDTNDIKQN	DIPKDQPTLV	RWYMDVRRWD	EKYFDLPLLE
51	TLTQPDQAAV	KKYYQTSDKR	LSLASQLLKY	YYIHQATGTP	WSKIEIQRTP
101	MPENRPFYDS	SLDFNVSHQA	GLTLFAGTRA	ATAHSLSGGP	QTLPRVGIDV
151	ACVDEPSRRR	ANRPPKTLAD	LATFVDVFS	VLSLRELATI	KNPYATLKLA
201	RELGLNKSDP	SKDDQEVLA	YGIRLFYSIW	ALKEAYLKMT	GDGLLASWIK
251	DLEFTNVVPP	EPVQTVGFAG	DPSATHAPSV	QNWGRPYS	KISLRGIPDH
301	SVRVQPVGFE	SDYIVATAAS	GPNIGSVSRQ	VVVNDS	PGRITAFDSE
351	TGLQNVRI	IALRSIGDGD	PWRVDSKISD	PWLPMQEVDI	EIDIRPCADG
401	RCEHLRDLPS	F			

Figure 2 (SEQ ID No. 2): Genomic DNA sequence of the coding region of the *P. chrysogenum* *pptA* gene from the translation start codon (ATG) through to the translation stop codon (TAA). The intron is underlined. The figure depicts a single strand proceeding in the 5' to 3' direction.

```

1  atggtagacc ccagtgtgtc tgggaattgtg agttagccaca tagcctccat
51  gaatgcacccc actgaccaat ttcagaccaa aatggatacc aatgatatca
101 aacagaatga catccccaag gaccagccca cgttgggtccg atggtacatg
151 gatgtcagac gttgggatga aaaatacttt gatctccctt tgcttgaaac
201 cttaacacag cctgatcagg cagctgtcaa gaagtactat caaacatcgg
251 acaagcgctt gtccttggcc tcccagttgc tgaaatatta ctacattcac
301 caagccactg gcactccctg gagcaagatt gagatccagc gtactccgat
351 gcccgaaaat cgaccattct acgattcaag cctggatttc aacgtcagcc
401 atcaggctgg tctcactctg ttcgcaggca cgcgtgccgc aacagcccac
451 tccttatccg gtggacctca aacattgcct cgcgtgggaa ttgacgttgc
501 gtgtgttgat gaacctctc gtcgctcgtc taatcgtccc ccgaagacac
551 ttgccgacct tgcaaccttc gtggatgtct tcagtgcgtt tctctcactc
601 cgtgagcttg cgaccatcaa gaaccgcgtac gcgactctta aattggctcg
651 tgagcttggt ctgaataaaa gtgacccgag caaagacgac caggaagtcc
701 ttgctgecta cggcattcgg ctgttctact cgatttgggc tctcaaggag
751 gcttacttga aaatgaccgg agaeggcctt ctggcctctt ggataaagga
801 tctggaattc acaaacgttg ttcccccga accagttcaa acagtcggat
851 ttgctggtga tccttctgcc actcacgcgc cctcgggtcca aaattggggc
901 cggccttact ccgatgtcaa aatctccttg cgtggcattc ctgaccattc
951 tgtgcgcgtt cagctcgtcg gcttcgagtc cgactacata gttgccacgg
1001 ccgcgtcggg ccccaatatt ggatccgttt cgcggcaggt agtcgtgaat
1051 gacagcgatc accatctgcc agggcgtatc acagccttcg actctgagac
1101 tggactccag aacgtccgca ttcccccatt cgcgcttcga tcaattggcg
1151 atggggaccc ctggcggtgt gactcgaaaa tcagcgaccc ctggctcccc
1201 atgcaggagg tcgatattga aatcgatata cggccctgtg cggatgggtcg
1251 ttgcgagcac ctacgggatt taccaagctt ttaa

```

Figure 3 (SEQ ID No. 3): cDNA sequence of the coding region of the *P. chrysogenum* pptA gene from the translation start codon (ATG) through to the translation stop codon (TAA); the figure depicts a single strand proceeding in the 5' to 3' direction.

```

1   atggtagacc ccagtgtgtc tgggaattacc aaaatggata ccaatgatata
51  caaacagaat gacatcccca aggaccagcc cacgttggtc cgatggtaca
101 tggatgtcag acgttgggat gaaaaatact ttgatctccc tttgcttgaa
151 accttaacac agcctgatca ggcagctgtc aagaagtact atcaaacatc
201 ggacaagcgc ctgtccttgg cctcccagtt gctgaaatat tactacattc
251 accaagccac tggcactccc tggagcaaga ttgagatcca gcgtactccg
301 atgcccgaat atcgaccatt ctacgattca agcctggatt tcaacgtcag
351 ccatacaggct ggtctcactc tgttcgcagg cacgcgtgcc gcaacagccc
401 actccttata cggtggacct caaacattgc ctgcgctggg aattgacgtt
451 gcgtgtgttg atgaaccctc tcgtcgtcgt gctaatacgt ccccgaaagc
501 acttgccgac cttgcaacct tcgtggatgt cttcagtgac gttctctcac
551 tccgtgagct tgcgaccatc aagaaccctg acgcgactct taaattggct
601 cgtgagcttg gtctgaataa aagtgaccgc agcaaagacg accaggaagt
651 ccttgctgcc tacggcattc ggctgttcta ctcgatttgg gctctcaagg
701 aggccttactt gaaaatgacc ggagacggcc ttctggcctc ttggataaag
751 gatctggaat tcacaaacgt tgttcccccc gaaccagttc aaacagtcgg
801 atttgctggg gatccttctg ccactcacgc gccctcggtc caaaattggg
851 gccggcctta ctccgatgtc aaaatctcct tgcgtggcat tcttgacctt
901 tctgtgcgcg ttcagccctg cggttcgag tccgactaca tagttgccac
951 ggccgcgctc ggccccaata ttggatccgt ttcgcggcag gtagtcgtga
1001 atgacagcga tcaccatctg ccagggcgta tcacagcctt cgactctgag
1051 actggactcc agaacgtccg cattccccca atcgcgcttc gatcaattgg
1101 cgatggggac ccctggcggtg tggactcgaa aatcagcgac ccctggctcc
1151 ccatgcagga ggtcgatatt gaaatcgata tccggccctg tgcggatggt
1201 cgttgccgagc acctacggga tttaccaagc ttttaa

```

Figure 4 (SEQ ID No. 4): Genomic DNA sequence of a Sall fragment of a genomic clone of the pptA gene (the figure depicts a single strand proceeding in the 5' to 3' direction). The translation start codon (ATG) and the translation stop codon (TAA) of the coding region are underlined and printed in bold; the intron is underlined.

```

1   gtcgaccgaa gtgggtttcgg ttcactcgca catcaagacc accgatcagc
51  tcttgcccgc ctttctttgt cttgttggca gactcggcaa gcaaaatgag
101 cccggcgcat gtacccacg tccgttttgcg atccactctg cataaccac
151 gtattagatc gaattgatat ggactaaccg ggttcactca ctttacgaat
201 tctcgcagtg gctcgagaag atttgacctt gctgcgacta aagacatagt
251 ggtactctcg cctccgggca agaccaggcc gtcgcatgtt gccagttctt
301 gtggcgctccg tacttcaatg aagtgccatt ccgacggctg cgcttgctca
351 gcggcctttt tcaaaagctg cacatgctca aagaatgcgc cctgtagggc
401 caggactcca acagtgatag ccatttcctc tgaagatcgg aattgcggac
451 cctccgagct cgggtgcttc ttgatattga tgactctttt taaagcacat
501 gactttgact ttccggcggg gaacgtatca acacgtgatg gcggcttatc
551 tccatcttta attccacgcg acatcaggat atcgtgagag ctctcggacg
601 attcctgcgc actttgaaaa cagactgcat aaccgaggca ttatagtata
651 aaacaaatag actcacctac agaaagagtg ataagttagg tctataacct
701 gtttccaatg tttctctctc ttgctggatc agctttaaca tatctatgga
751 tgggtatctt gatagtcata gtcataattg gcttgctatt gcatgtctct
801 ttgctacatc ctatttatgg tattatgtac acggcctgtt tctcgtttgc
851 cggcctattg atgtatacat gtattgggtg aggtagttaa tgccctgcct
901 tatcgacacg tgctgataga taaggacccc gataagacgc caacatggct
951 tctatccagg tgtggatgct ccgatccaa ggtgcgaata tacgagatca
1001 caatgcaatg gtagacccca gtgtgtctgg aattgtgagt agccacatag
1051 cctccatgag tgcacccact gaccaatttc agacccaaat ggataccaat
1101 gatatcaaac agaattgacat cccaaggac cagcccacgt tggctcgatg
1151 gtacatggat gtcagacgtt gggatgaaaa atactttgat ctccctttgc
1201 ttgaaacctt aacacagcct gatcaggcag ctgtcaagaa gtactatcaa
1251 acatcggaca agcgcctgtc cttggcctcc cagttgctga aatattacta
1301 cattcaccaa gccactggca ctccctggag caagattgag atccagcgta
1351 ctccgatgcc cgaaaatcga ccattctacg attcaagcct ggatttcaac
1401 gtcagccatc aggtctggtc cactctgttc gcaggcacgc gtgcgcgaac
1451 agcccactcc ttatccggtg gacctcaaac attgcctcgc gtgggaattg
1501 acgttgcggtg tgttgatgaa ccctctcgtc gtcgtgctaa tcgtcccccg
1551 aagacacttg ccgaccttgc aaccttcgtg gatgtcttca gtgacgttct
1601 ctactccgtg gagcttgcca ccatcaagaa cccgtacgcg actcttaaata
1651 tggctcgtga gcttggtctg aataaaagtg acccgagcaa agacgaccag
1701 gaagtccttg ctgcctacgg cattcggctg ttctactcga tttgggctct
1751 caaggagcgt tacttgaaaa tgaccggaga cggccttctg gctctttgga
1801 taaaggatct ggaattcaca aacgttggtc cccccgaacc agttcaaaca
1851 gtcggatttg ctggtgatcc ttctgccact cagcgcacct cgggtccaaaa
1901 ttgggggccgg ccttactccg atgtcaaaat ctcttgctg ggcatctctg
1951 accattctgt gcgcgttcag ctcgctcggc tcgagtcgga ctacatagtt
2001 gccacggccg cgtcgggccc caatattgga tccgtttcgc ggcaggtagt
2051 cgtgaatgac agcgatcacc atctgccagg gcgtatcaca gccttcgact
2101 ctgagactgg actccagaac gtcgcgcatc cccaatcgc gcttcgatca
2151 attggcgatg gggacccctg cgtgtgtggc tcgaaaatca gcgacccctg
2201 gctcccatg caggaggtcg atattgaaat cgatatccgg ccctgtgcgg
2251 atggtcgttg cgagcaccta cgggatttac caagctttta aattccttct
2301 tgctgggata tgaccaggcg accatgcacc cgagttattt gcatattgca
2351 tctcctcatc tcatattcct ttctgagcgt gtttttcgga gcgataatta
2401 cccttgaaca tatttctgca ttgctgtatt gccattagcg aaaattcccg

```

```
2451 agctagttgt agttgatttc ctggaacgct gggggagtgc cgctcagatg
2501 ttcattctcca ataagcccct caatgaatct tcacttcatc ggattccaagg
2551 tcaatcttcg agatcaagtg caagttgccc agaaageacg ggtaaagaaa
2601 ccaagcctat ttctattcta tgggtctaatg taaactaaaa atgtagaagg
2651 aagaaaagca agtatccaac agtaggcggg tcatgacatg cgtgtgcgct
2701 aaggatatat acatttcgaa ttgcaaagag ggaagagggtg aatcaggagt
2751 gaaatgtgtg tcaagaggca atgtcaatgt caagatcatt gttgctctca
2801 tgagcagtca cggattgtgt cggattgttc ggcgtctggg gccctcagat
2851 tctatttctg ggtcatgagc ttgagagtag gtaccgaaga agtgagcagt
2901 attatactgc agtgagtgtt tagggggaat tccttctggt gaattgtggc
2951 gttcgggggtt gctctccggt cttatgggtc ttaatctgga tgcccgatag
3001 tgcacccaag ttaggagaaa aacatatggt aagtgttaat cgtggagcag
3051 tgtggcgaat cgcgaattgg gtttggcact tagatttcga tggcgctaga
3101 gacgccgttg gcgcgagcac catcgacctc atttttatgc gcgtgggaca
3151 ttgctgcaag agttttgagc atcgaatccc gcgtcgac
```